

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: rarland@epix.net
Subject: [1746] Back issues of QRP QTLY
Message-ID: <Pine.SUN.3.91.950715114911.8082B-100000@mango.epix.net>

I am looking for fills on my collection of QQ. I'll have a complete listing of what I need (about 5 issues from 1990 to 1994) on my next posting.

Anybody have some spare back issues they want to trade or sell?

(More to follow).

73 rich

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: geoffs@onr.com (Geoff Schecht)
Subject: [1748] Ceramic Filter Data Books are Here
Message-ID: <199507151727.MAA14196@Sierra.onr.com>

I finally got my MuRata and NTK ceramic filter databooks. MuRata seems to have a slightly "better" line from what I can tell by comparing specs (but this may just be a case of specsmanship on the part of the manufacturers). Some of their better filters look like they'd be excellent for SSB or even semi-critical CW work (as part of a passband tuning circuit). I haven't found who sells small quantities of NTK but MuRata can be gotten from CirKit in England for very attractive prices.

These filters don't have the stellar performance of a good XTAL filter but they're not bad, either and about 1/5 the cost, to boot. Their insertion loss is higher than XTAL units but some of these things (MuRata) have at least 60dB rejection. Most have a 1.5 to 2kohm I/O impedance.

If I could get myself to a decently equipped RF bench, I'd run some performance characterizations on these things. The 15 element units are physically quite small (29lx10.5hx7.5w in mm) and would make for a neat, super compact SSB/CW rig with some decent performance specs.

Geoff NQ7A Austin, TX

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995

From: AE4KN@aol.com
Subject: [1749] Good 20 meter antenna
Message-ID: <950715143731_33382161@aol.com>

Hi y'all. I need a better 20 meter antenna than my 40 meter loop, and I would like some advice from others. I can put something on my roof, and I can have one support up to about 25 feet on the roof. I've considered sloping dipoles and an inverted vee, but I'd like to hear from people who have experience with them. I run a ten tec scout at QRP levels, but sometimes (I appoligize), I crank it up to 50 watts. Does anyone have any comments about either choice? I'm afraid I'm limited to a wire antenna, maybe a small bit of aluminum. My parents are for some reason concerned about what 'bird cage' I'm gonna put up next on the roof! Anyway, thanks a lot de AE4KN

From qrp-l@lehigh.edu Sat Jul 15 19:02:00 1995
From: frank@yorks.demon.co.uk (Frank, G3YCC)
Subject: [1740] GQRP - 14Mhz mobile whip (fwd)
Message-ID: <5460@yorks.demon.co.uk>

Forwarded message follows:

> From @insite.parasoft.co.uk:owner-gqrp-l@blacksheep.org Fri Jun 30 16:51:56 1995
> Received: from punt2.demon.co.uk by yorks.demon.co.uk with SMTP
> id AA5060 ; Fri, 30 Jun 95 16:51:53 BST
> Received: from punt2.demon.co.uk via puntmail for frank@yorks.demon.co.uk;
> Fri, 30 Jun 95 15:33:37 GMT
> Received: from insite.parasoft.co.uk by punt2.demon.co.uk id aa00643;
> 30 Jun 95 16:31 +0100
> Received: from localhost (bin@localhost) by insite.parasoft.co.uk
> (8.6.12/8.6.12) with SMTP id QAA10119; Fri, 30 Jun 1995 16:45:25 +0100
> Received: (from root@localhost) by insite.parasoft.co.uk (8.6.12/8.6.12) id
> QAA10108 for gqrp-l-outgoing; Fri, 30 Jun 1995 16:45:07 +0100
> Received: from yorks.demon.co.uk (yorks.demon.co.uk [158.152.97.220]) by
> insite.parasoft.co.uk (8.6.12/8.6.12) with SMTP id QAA10103 for <gqrp-
> l@insite.parasoft.co.uk>; Fri, 30 Jun 1995 16:45:00 +0100
> Date: Fri, 30 Jun 1995 15:47:37 GMT
> From: "FRANK W LEE, G3YCC" <frank@yorks.demon.co.uk>
> Message-Id: <5021@yorks.demon.co.uk>
> To: gqrp-l@insite.parasoft.co.uk
> Cc: 100557@insite.parasoft.co.uk, 2045@compuserve.com
> Subject: GQRP - 14Mhz mobile whip
> X-Mailer: PCElm 1.10
> Lines: 37
> Sender: owner-gqrp-l@blacksheep.org

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> Precedence: list
> Reply-To: "FRANK W LEE, G3YCC" <frank@yorks.demon.co.uk>
> Status: R
>
> The antenna to be described is a base loaded whip for 14 Mhz and has
> given good results with QRP (MFJ 9420). Once finished, it does not
> need any adjusting, just plonk it on the car and off you go!
>
> ==-\\////////\\-----o
>
> 239      coil          whip (3ft 3inches)
> plug          stainless steel
>
> The coil goes to the centre pin on the 239 plug and consists of single
> strand PVC covered wire close wound over approx 2 3/8 inches on a piece
> of 22 mm PVC plumber's pipe. The other end of the coil goes to the whip,
> which I fastened into the PVC pipe using a dowel rod and sealing the end
> with fibre glass.
>
> The whip is used on a large mag. mount (5 1/2 inches in diameter), and
> does not need any other grounding for 1:1 SWR.
>
> Tuning: with the antenna in position on mag. mount and connected to
> rig via SWR bridge, find a signal on Rx. Approach a hand to the coil
> and notice if sig strength goes up or down. If it goes up you need more
> turns or more whip; with a fixed whip, you can only alter the coils -
> add more or close up the turns. If it goes down, take turns off etc.
> This roughly tunes the whip. Now go onto Tx with low power and observe
> SWR. With CARE approach hand to coil and see SWR go up or down, alter
> coil as above, i.e if the SWR goes up reduce coil, if it goes down,
> i.e lower reflected, increase coil. Eventually you'll get 1:1. Now
> tape the coil up and cover with heat shrink tubing. It takes time
> to tune using the coil adjustments, but once done it won't need
> doing again
>
> The base loaded whip described works well from my car, on a mag.
> mount and have worked thousands of miles with 10W PEP.
>
> I hope this is of use.
> --
> Frank G3YCC (G QRP 042)
> ---
> Via GQRP-L - The G-QRP Club mailing list
>
--
Frank G3YCC (G ORP 042)
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From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: pelt@vt.edu (Randy Pelt)
Subject: [1744] Mac Satellite Software
Message-ID: <199507151541.LAA313481@nss1.CC.Lehigh.EDU>

For anyone looking for some good satellite software for the macintosh, try SatTrak. This can be down loaded from Mike Pflueger's www page at <http://www1.primenet.com/~pflueg/>. This is a demo version and the real thing costs \$20. You can also download the current kep data from this server.

72/73

Ranson J. Pelt
QST de nz4i ex-w4wyt
pelt@vt.edu

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: AE4KN@aol.com
Subject: [1734] RS 12/13 etc
Message-ID: <950714204840_115171614@aol.com>

You don't need special antennas if you work the 15-10 meter transponder. A normal dipole for each will be plenty. I use a loop, which also woks very well. Oh yes, about the Keplarlian elements, I find that it's not crucial to update them more than say once every few months. In my experience, one set will last a while. The AOS(acquisition of sig) time is hard to predict anyway at HF because it is actually possible for sigs from the sat, and you to skip in between, if the bird is just under the horizon. You oughta listen a few minutes before and after predicted times anyway. That's just my experience.

By the way, I'm new to the group, the name's Chris Johnson, AE4KN. 73's to all

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995

From: rarland@epix.net
Subject: [1741] RS-12/13
Message-ID: <Pine.SUN.3.91.950715073320.3669D-1000000@mango.epix.net>

In 1993 Worldradio Magazine employed me as their satellite column editor and I wrote several pieces about working thru RS-10/11 and 12/13 in that year. Mike,,WA8MCQ, took the column about RS-12 and published it in the QRP Quarterly (can't remember which issue). For those of you who are interested in SATCOM, RS-12 is a very easy bird to cut your teeth on.

REMEMBER: YOU MUST HAVE AN ADVANCED CLASS LICENSE OR HIGHER TO USE THE UPLINK PASSBAND OF RS-12.....IT SITS IN THE MIDDLE OF THE ADVANCED CLASS BAND ALLOTMENT!

I have found that "real QRP" (5 watts) output from my Argonaut 509 into a dipole works fine for getting into the transponder, provided that the transponder loading is light (not too many stations on the bird). Almost anything works for receiving....I use a British CB antenna that I cut down for 10 meter FM work in 1980 and it functions fine. I have used a Butterfly beam, J-pole, dipoles, and full size 80 meter Zepp. Don't get caught up in the hardware end of things....just enjoy the satellite.

Traksat is a good program. A better one is RealTrak and is available from R. Meyers Communications out in Arizone (sorry I don't have the address handy).

73 rich

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: adam@philadelphia.libertynet.org (Adam O'Donnell)
Subject: [1735] RS12/13 Information
Message-ID: <9507150107.AA19061@philadelphia.libertynet.org>

If you want some good info on RS10 and RS12, subscribe to AMSAT-BB the list is located on the amsat.org server.

73

--
Adam O'Donnell, N3RCS
Internet: adam@libertynet.org

"Either we've seen a pile of bird #@%!, or the creation of the universe!"
- Radio Astronomy pioneers Arno Penzias and Robert Wilson

----- PGP Public Key available upon Finger -----

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: rarland@epix.net
Subject: [1745] Satellite Software
Message-ID: <Pine.SUN.3.91.950715114515.8082A-1000000@mango.epix.net>

Finally found the info on RealTrak:
contact Mike Owen, W9IP at:
Northern Lights Software
Star Route
Box 60
Canton, NY 13617
(315) 379-0161 (6-9 PM EST)

This is the best program that I have found for the money, ease of use,
and short learning curve. AMSAT's InstaTrack has more bells and whistles,
but RealTrak is a solid workhorse. Well worth the investment.

TranSat is a good program for the beginner or someone who is only
casually interested in SATCOM.

73 rich

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: Adrian Weiss WORSP English Department <AWEISS@charlie.usd.edu>
Subject: [1736] Re: A Proposal: The Weak Signal Proficiency Index
Message-ID: <950714214955.6b25@charlie.usd.edu>

The rules for the Miles-per-Watt award specify
that both receiving and transmitting stations can
apply for an receive the award, if I recall correctly.

Check it with K5FO.

73, Ade

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995

From: Steven Wilson <randyw@crl.com>
Subject: [1750] Re: Good 20 meter antenna
Message-ID: <Pine.SUN.3.91.950715114601.29664C-100000@crl2.crl.com>

try a 20 mtr loop or better yet a quad. I can tell you from experience nothing is better than even a simple 2 ele beam except a 2 ele quad.

The full size beams are like buying a new receiver only better. even if you have to fix them in one direction (like NE to europe or SW to ZL/VK)

I do not care for trap beams. You need a 35 ' x 8 space for a 2 ele beam fix in one direction. I have even used bamboo fishing poles covered with aluminum foil, it works also, use to be cheap now the cane poles cost almost as much as AL ones. hi

de stan ak0b

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: KT3A@aol.com
Subject: [1737] Re: QRP Society of Central Pennsylvania
Message-ID: <950714234052_115267795@aol.com>

Ade,

I wish I knew you were going to be in the area.
(I would have had you sign my copy of "The Joy of QRP"). ;^)

Sorry I did not mention where we meet. We currently are meeting at Wicks Educational Associates near Mechanicsburg, PA. Meetings are the third Monday of each month at 7 p.m. During some of the summer months, we go to a park and operate in the field and have a picnic. For confirmation on meeting times/places call Bob Wicks, W3HAH (717)486-3241 or email KT3A@aol.com

p.s. Ade, the first time I heard the commercial for QRP Associates on the broadcast radio, I thought I had QRP on the brain! But, the place does exist.

72 de Cam, kt3a

/ N O A X o o o o	"I don't know why they call it
---- ----	wireless...I've never seen so
() () /^^^\ () ()	many wires in all my life!"
0 o o o (o) () ()	From the 1920's and
0 o o o ___/ o o o o o	never more true!

_/ H. Ward Silver, N0AX _/	
hwardsil@seattleu.edu	

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
 From: JCoote@aol.com
 Subject: [1732] Re: RS12/13
 Message-ID: <950714202833_32990918@aol.com>

I copy the CW beacons from RS 10 and RS 12. Listen around 29.407 and 29.358.
 I believe these are QRP-level.
 RS 15 also has a beacon in this area but I don't have the frequency.

Another good source for orbital data "KEPS" is packet radio. Log on to your local packet BBS and look for "AMSAT" bulletins in the directory. Some of the AMSAT bulls have the orbital elements which you can download and then enter regularly in your satellite tracking program (orbital decay, y'know)

73, Jay
 WB6AAM

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
 From: JCoote@aol.com
 Subject: [1733] Re: RS12/13
 Message-ID: <950714203155_32990904@aol.com>

I would like to hear about RS12-13 also. Is this the 21-28 Mhz transponder?

What kind of antennas... low dipoles over a reflector screen? Turnstiles?

72, Jay
 WB6AAM

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: w9sz@prairienet.org (Zack Widup)
Subject: [1738] Re: RS12/13
Message-ID: <9507150520.AA22893@prairienet.org>

>
>I would like to hear about RS12-13 also. Is this the 21-28 Mhz transponder?
>
>
>What kind of antennas... low dipoles over a reflector screen? Turnstiles?
>
>72, Jay
>WB6AAM
>

I have been using my 40-meter loop tuned to 15 meters for transmit
(21220-21245 uplink) and a 10-meter dipole for receive (29420-29425
downlink.) Been using a Radio Shack HTX-100 for receive (I KNEW they
would be good for something besides the IF for VHF/UHF transverters!)

On the overhead passes here it only takes about 10 watts for me to get
into RS-12. I just got a copy of TRAKSAT which is really nice for
following the satellites.

See you on RS-12/13!

72/73, Zack W9SZ

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: w9sz@prairienet.org (Zack Widup)
Subject: [1739] Re: RS12/13
Message-ID: <9507150536.AA25428@prairienet.org>

>
>I have been using my 40-meter loop tuned to 15 meters for transmit
>(21220-21245 uplink) and a 10-meter dipole for receive (29420-29425
>downlink.) ^^^^^

Whoops! Make that 29420-29445 downlink. It's too late at night!

Zack W9SZ

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: mvjfm@mvubr.att.com (James M Fitton 508 960 2577)
Subject: [1751] Re: WSPI follow-up
Message-ID: <9507152129.AA04650@ig1.att.att.com>

Wayne,
Interesting idea for WSPI. Seems that with all
the calibrated HP gear around the world, specs could
easily be written to handle calibrated WSPI events anywhere.

I used to belong to a parapsychology experimenters group
who were always looking for tests to determine who had
the gift of ESP, or not.

My first thoughts were, what a neat way to tell if a person's
acute senses could border on apparent ESP ability.

Then, if a Hiram Maxim P., Armstrong or Marconi are spiriting
around out there somewhere (hopefully from the above ground QTH),
they may be interested in attempting a weak signal CW QSO.

After I expire, please listen for W1FMR/H on GLN, Wednesday Evenings.

Keep it simple. WSPI sounds like a test of experience and acuity.

72 Jim W1FMR

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: Aa4xx <aa4xx@nando.net>
Subject: [1747] Re: WV 40 M Beacon
Message-ID: <Pine.SUN.3.90.950715125521.26287A-100000@merlin.nando.net>

> Dave, AA4ZX, is running a 100 microwatt beacon on 7057 KHz until 3
> PM EDT Saturday. His signal is occasionally cresting out of the noise,
> making copy of his entire beacon msg (including the 4 letter codeword)
> readable on my inverted vee.
> Maybe some of you within 300-500 miles of West Virginia might want
> to listen for him. 72,

> Paul, AA4XX (Raleigh, NC)
WWV Forecast for today: Solar Flux 74, A Index 4, Solar Activity low

>
> Anybody who would like to participate in future attended beacon
> tests, either as a tx or rx stn, may contact me for details. It would be
> ideal to have the tx stations spread out over a wide geographical area to
> give more stations a chance to hear the beacons.

>
My beacon will be running Sunday 8:00 AM - 5:00 PM EDT. Freq will
be 7057 KHz with 500 microwatts output. Beacon msg will be as follows:
VVV VVV VVV 500uW <codeword> de AA4XX/B
The antenna used for this trial will be a simple inverted vee up 50
feet. Y'all come join in the fun! All signal reports are much appreciated.

Paul/QRP

From qrp-1@lehigh.edu Sat Jul 15 19:02:00 1995
From: JCoote@aol.com
Subject: [1731] Re: Zipcord Dipole
Message-ID: <950714203158_32990932@aol.com>

Zipcord has been used as a "field-expedient" antenna when lower-loss balanced
lines such as 450-ohm ladder or 300-ohm TV line are not available.

Looking at the spacing and conductor thickness, the impedance of zipcord may
be in the hundred ohm area.

300 ohm TV line or 450 ohm ladder line are probably better choices for
feeding G5RV's, Zepps and other balanced, center-fed wire antennas.

72, Jay
WB6AAM